Taniishi			[45]	Date of	Patent:	Aug. 1, 1989
[54]	ACOUSTIC COORDINATE INPUT DEVICE USING A ROUGHENED SURFACE TO ATTENUATE THE SURFACE WAVE COMPONENT		[58] Field of Search			
			[56] References Cited			l
			U.S. PATENT DOCUMENTS			
[75]	Inventor:	Shinnosuke Taniishi, Tokyo, Japan	4,665,282 5/1987 Sato et al 340/706 X			
[73]	Assignee:	Canon Kabushiki Kaisha, Tokyo, Japan	Primary Examiner—Stafford D. Schreyer Attorney, Agent, or Firm—Fitzpatrick, Cella, Harper & Scinto			
[21]	Appl. No.:	171,747				
[22]	Filed:	Mar. 22, 1988	[57]		BSTRACT	
[30] Foreign Application Priority Data Mar. 27, 1987 [JP] Japan			A coordinates input device comprises vibration means for generating vibration, a pin having an end to which the vibration generated by said vibration means is trans-			
	pr. 1, 1987 [J]		,			ion plate having a on a pen abutment
[51]	Int. Cl.4		surface thereof, for transmitting the vibration.			

[11] Patent Number:

8 Claims, 9 Drawing Sheets

4,853,496

United States Patent [19]

